

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method of screening a human subject having or at risk of having Alzheimer's disease or amyotrophic lateral sclerosis-Parkinsonism dementia complex (ALS-PDC) ~~a neurological disorder~~ comprising, analyzing a keratinous tissue sample from the subject to determine the presence of  $\beta$ -N-methylamino-L-alanine (BMAA) ~~or a BMAA derivative~~, wherein the presence of BMAA ~~or a BMAA derivative~~ in the sample indicates the subject has or is at risk of having Alzheimer's disease or ALS-PDC ~~the neurological disorder~~.
- 2-4. (Cancelled)
5. (Previously presented) The method of Claim 1, wherein protein-bound BMAA is analyzed.
6. (Original) The method of Claim 5, wherein free BMAA is also analyzed.
7. (Currently amended) The method of Claim 1, wherein the subject has symptoms of Alzheimer's disease or ALS-PDC ~~a neurological disorder~~.
8. (Currently amended) The method of Claim 1, wherein the subject is asymptomatic for Alzheimer's disease or ALS-PDC ~~a neurological disorder~~.
9. (Currently amended) The method of Claim 1, wherein the subject has been identified as being at risk for developing Alzheimer's disease or ALS-PDC ~~a neurological disorder~~.
- 10-11 (Cancelled)
12. (Currently amended) The method of Claim 14, wherein the subject has or is at risk of having the neurological disorder ~~is amyotrophic lateral sclerosis Parkinsonism dementia complex (ALS-PDC)~~.
13. (Currently amended) The method of Claim 14, wherein the subject has or is at risk of having the neurological disorder ~~is Alzheimer's disease~~.
- 14-28. (Cancelled)
29. (Previously presented) The method of Claim 1, wherein the tissue is hair.
30. (Previously presented) The method of Claim 1, wherein the tissue is skin.
31. (Previously presented) The method of Claim 1, wherein the tissue is nail.
32. (Previously presented) The method of Claim 31, wherein the nail is a fingernail.
33. (Previously presented ) The method of Claim 31, wherein the nail is a toenail.
- 34-75. (Cancelled)